

CLAIMS:

1. A system for locating a position marker, comprising:
a locating device for locating the position marker;
a GPS device communicatively coupled to the locating device, the GPS device
5 providing GPS coordinate data when the position marker is located by the
locating device; and
electronic memory in at least one of the locating device and the GPS device for
storing a data record associating the GPS coordinate data with the located
position marker.
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2. The system of claim 1, further comprising:
a computer for running a mapping application, the computer being capable of
receiving the data record stored in the electronic memory to update the
mapping application.
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3. The system of claim 2, wherein the electronic memory is located in the locating
device and the locating device is capable of transmitting the data record to the computer.
4. The system of claim 2, wherein the electronic memory is located in the GPS
20 device and the GPS device is capable of transmitting the stored data record to the computer.
5. The system of claim 1, wherein the locating device reads marker data from the
position marker.
- 25 6. The system of claim 5, wherein the data record includes GPS coordinate data
provided by the GPS device that is associated with marker data read from the position marker.
7. The system of claim 1, wherein the electronic memory is a removable memory
card.

8. The system of claim 1, wherein the GPS device is connected to the locating device by an RS-232 cable.

5 9. A locating device for locating a position marker, comprising:
a locating system for locating the position marker and reading marker data from
the position marker;
a GPS system for providing GPS coordinate data when the position marker is
located by the locating circuitry; and
10 electronic memory for storing a data record associating the GPS coordinate data
with the marker data.

10. The locating device of claim 9, further comprising:
communication circuitry for transmitting the stored data record to a computer
15 running a mapping application.

11. A system for locating a position marker, comprising:
a locating device for locating the position marker;
a GPS device communicatively coupled to the locating device, the GPS device
20 providing GPS coordinate data when the position marker is located by the
locating device;
a computer for running a mapping application; and
communication circuitry in at least one of the locating device and the GPS device
for transmitting a data record to the computer to update the mapping
25 application, the data record associating the GPS coordinate data with the
located position marker.

12. The system of claim 11, wherein the locating device reads marker data from the position marker.

13. The system of claim 12, wherein the data record includes GPS coordinate data provided by the GPS device that is associated with marker data read from the position marker.

5 14. The system of claim 11, wherein the GPS device and the computer are integrated in the same device.

15. A method of locating a position marker, comprising:
operating a locating device to locate the position marker;
10 obtaining GPS coordinate data in the same step as location of the position marker by the locating device; and
storing a data record associating the GPS coordinate data with the located position marker.

15 16. The method of claim 15, further comprising:
operating a computer to run a mapping application; and
transmitting the data record to the computer to update the mapping application.

17 The method of claim 15, further comprising:
20 operating the locating device to read marker data from the position marker.

18. The method of claim 17, wherein storing the data record comprises associating the GPS coordinate data with the marker data read from the position marker.